

CLAIMS

1. Device for moistening a material web (4) moved in transport direction (v) preferably for re-moistening of a paper or textile web dried after printing by means of a spray device (6) for spraying a water fog onto the material web (4) under the influence of an electrostatic field generated by a device for electrostatic charging (1) characterized in that

- a reversing roller (3) for reversing material web (4) is provided in the transport direction (v) upstream of spray device (6),

- that reversing roller (3) has associated with it a device for electrostatic charging designed as a corona-charging electrode (1),

- and that the spray device has two water spray heads (6) located on both sides of material web (4).

2. Device according to Claim 1 characterized in that reversing roller (3) has a smooth surface that is a good electrical conductor.

3. Device according to Claim 2 characterized in that reversing roller (3) is high-gloss chrome-plated.

4. Device according to Claim 2 or 3 characterized in that reversing roller (3) is grounded.

5. Device according to one of Claims 1 to 4 characterized in that the jacket of reversing roller (3) has on top of the smooth surface a thin coating, preferably of polytetrafluoroethylene or risilan.

6. Device according to one of Claims 1 to 5 characterized in that reversing roller (3) is wrapped around material web (4) in an angle range that forms at least a right angle.

7. Device according to one of Claims 1 to 6 characterized in that corona-charging electrode (1) is located in the plane spanned by the axis of reversing roller (3) and the tangent line in the area in which material web (4) runs onto the jacket of reversing roller (3).

8. Device according to one of Claims 1 to 7 characterized in that the water spray heads (6) directed at the surface of material web (4) are grounded.

9. Device according to Claim 8 characterized in that the two water spray heads (6) are located opposite one another on the two sides of material web (4).

Sub
A8

Add
A9